



Product Change Notice (PCN)

Date: **January 16th, 2026**

PCN Number: **PCN-0420152R-01**

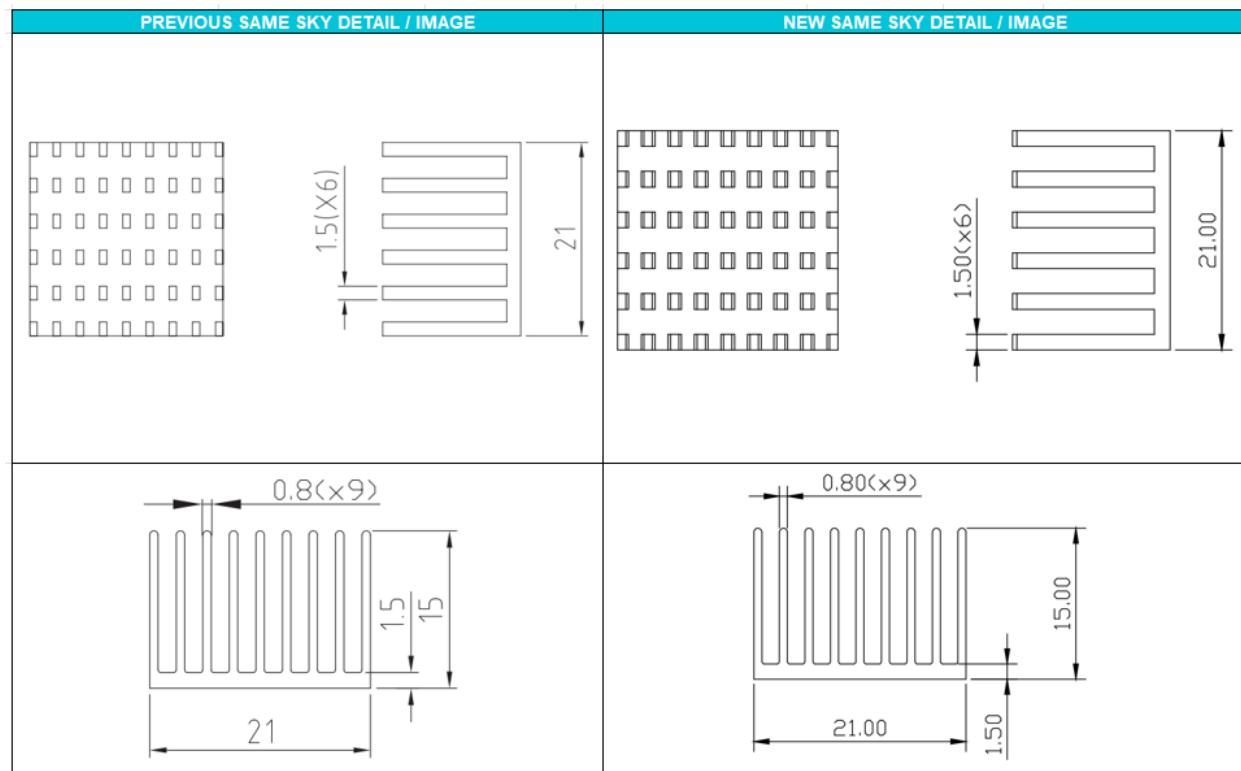
To Our Customers:

We appreciate your use of our products. Our commitment in maintaining and improving processes is demonstrated by plans to enhance our product quality, reliability, and manufacturability. The purpose of this notice is to inform you of a product change.

Product(s) Affected: **HSB09-212115**

Reason(s) for Change: **Factory Location Change**

Description of Change: *Product re-engineered for improved manufacturability and production yield. See image below for product changes. Cosmetic differences may be visible and not affect the form fit and function of the product.*



same sky

| MODEL | thermal resistance ¹ | | | | | power dissipation ¹ | MODEL | thermal resistance ¹ | | | | | power dissipation ¹ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------------------------------|------------------------|-----------------------|-----------------------|-------------------------|--------------------------------|----------------|---------------------------------|----------------------------|------------------------|-----------------------|-----------------------|--------------------------------|--|--|--|--|-----------|---------------|---------|---------|---|---|---|---|---|------|-----|-----|---|------|------|-----|---|------|------|------|---|------|------|------|---|------|------|------|---|------|------|------|---|-------|------|------|
| | @ 75°C ΔT, net conv (°C/W) | @ 1 W, net conv (°C/W) | @ 1 W, 200 LFM (°C/W) | @ 1 W, 400 LFM (°C/W) | @ 75°C ΔT, net conv (W) | | | | @ 75°C ΔT, net conv (°C/W) | @ 1 W, net conv (°C/W) | @ 1 W, 200 LFM (°C/W) | @ 1 W, 400 LFM (°C/W) | @ 75°C ΔT, net conv (W) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HSB09-212115 | 17.39 | 23.0 | 8.0 | 4.3 | 4.31 | | HSB09-212115 | 20.83 | 25.3 | 4.0 | 3.4 | 3.60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Note: 1. See performance curves for full thermal resistance details. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PERFORMANCE CURVES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th colspan="4">Heatsink Temperature Rise Above Ambient ($\Delta T = T_{hs} - T_a$) (°C)</th> </tr> <tr> <th>Power [W]</th> <th>Natural Conv.</th> <th>200 LFM</th> <th>400 LFM</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>1</td> <td>23.0</td> <td>6.0</td> <td>4.3</td> </tr> <tr> <td>2</td> <td>41.2</td> <td>11.9</td> <td>8.2</td> </tr> <tr> <td>3</td> <td>58.2</td> <td>17.4</td> <td>11.9</td> </tr> <tr> <td>4</td> <td>70.8</td> <td>23.3</td> <td>15.8</td> </tr> <tr> <td>5</td> <td>85.7</td> <td>28.8</td> <td>19.8</td> </tr> <tr> <td>6</td> <td>98.2</td> <td>35.0</td> <td>23.5</td> </tr> <tr> <td>7</td> <td>110.8</td> <td>40.3</td> <td>27.3</td> </tr> </tbody> </table> | | | | | | | | | | | | | | Heatsink Temperature Rise Above Ambient ($\Delta T = T_{hs} - T_a$) (°C) | | | | Power [W] | Natural Conv. | 200 LFM | 400 LFM | 0 | 0 | 0 | 0 | 1 | 23.0 | 6.0 | 4.3 | 2 | 41.2 | 11.9 | 8.2 | 3 | 58.2 | 17.4 | 11.9 | 4 | 70.8 | 23.3 | 15.8 | 5 | 85.7 | 28.8 | 19.8 | 6 | 98.2 | 35.0 | 23.5 | 7 | 110.8 | 40.3 | 27.3 |
| Heatsink Temperature Rise Above Ambient ($\Delta T = T_{hs} - T_a$) (°C) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power [W] | Natural Conv. | 200 LFM | 400 LFM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 23.0 | 6.0 | 4.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 41.2 | 11.9 | 8.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 58.2 | 17.4 | 11.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 70.8 | 23.3 | 15.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 85.7 | 28.8 | 19.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 98.2 | 35.0 | 23.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 110.8 | 40.3 | 27.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| The "hot spot" temperature measured on the heatsink Ta: ambient temperature | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Weight: 10.1 g | | | | | | | Weight: 9.13 g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Affected Date Code: **1/16/2026**

Product Availability: *Pertaining to market availability*

PCN Approval:

Operations/Quality

Roger Marais
Product Management

DH

F-723-001

Revision: A